

Columbia County, Georgia

WIPP Transportation

Full-Scale Exercise

October 24, 2002
9:00 a.m. until 2:00 p.m.

Scenario Package



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Waste Isolation Pilot Plant WIPP Transportation Full-Scale Exercise Scenario Package

EXERCISE PLANNING ISSUES

SCHEDULE:

▪ Initial Planning Meeting	June 5, 2002	10:00 a.m.	@ EMA Office
▪ 1 st Pre-planning Session	July 17, 2002	10:00 a.m.	@ EMA Office
▪ 2 nd Pre-planning Session	August 15, 2002	10:00 a.m.	@ EMA Office
▪ 3 rd Pre-planning Session	September 19, 2002	10:00 a.m.	@ EMA Office
▪ Tabletop Exercise	October 10, 2002	9:00 a.m.	@ EMA Office
▪ Site Visit	October 10, 2002	1:00 p.m.	@ Exercise Site
▪ Full-Scale Exercise	October 24, 2002	9am to 2pm	@ John Deere Parkway
▪ Exercise Evaluation Meeting	October 31, 2002	10:00 a.m.	@ EMA Office

LOCATION:

John Deere Parkway (Formerly called Horizon East Parkway – Next to John Deere - in Columbia County, near the Grovetown City Limits)

PRE-EXERCISE TRAINING:

- **WIPP Instrumentation Course** – 4 hours (23 participants completed & certified)
Tuesday, July 30, 2002 – 8:00 a.m. until 12:00 p.m. - EMA Conference Room
Note: Radiological monitors are now located at both the Martinez Fire Department and Grovetown Department of Public Safety.
- **Tabletop Exercise** – 2 hours (42 participants completed)
Thursday, October 10, 2002 – 9:00 a.m. until 11:00 a.m. – EMA Conference Room
- **Incident Command System – (ICS 200)** – 16 hours (16 participants completed & certified)
Date: October 16 & 17 - 8am until 5pm - EMA Conference Room
- **Evaluation/Controller Training** – 4 hours – 2 ½ hours (27 participants completed & certified)
Date: October 23 - 8am until noon - EMA Conference Room

PLANNING MATERIALS:

- Updated Draft of Exercise Scenario Package
- Completed list of objectives for all participating agencies/departments
- Aerial Photograph with one-mile and two-mile circles around accident location
- Photographs of Exercise Location

EXERCISE PARTICIPANTS		
LOCAL	STATE	FEDERAL
Columbia County EMA	Georgia Emergency Management Agency	WIPP Incident/Accident Response Team
Columbia County LEPC	Georgia Department of Natural Resources	Department of Energy – Radiological Assistance Program Team (DOE -RAP Team)
Columbia County Hazardous Materials Response Team	Georgia Department of Transportation	Savannah River Site Emergency Duty Officer
Martinez Fire Department	Georgia Department of Motor Vehicle Safety	SRS Weather Center Meteorologists
Grovetown Department of Public Safety	Interstate 20 “WIPP Corridor” Counties	National Weather Service Columbia, SC
Columbia County Sheriff’s Office	Georgia State Patrol	
Columbia County 9-1-1 Center	Georgia Baptist Disaster Relief – Unit 2F	
Columbia County Health Department	Strategy Dot Com Film Crew	
Gold Cross EMS		
Medical College of Georgia Emergency Department		
Columbia County Roads & Bridges Department		
Safety Officer Chief Jim Champion, Sr.		
Safety Officer Darlene Bartlett		
Maxim Crane Company		
Columbia County PIO Capt. Steve Morris		
Reeves Towing & Recovery		
Columbia County Recreation Department		
Hepaco, Inc.		

SCOPE & PURPOSE:

Scope:

The event is a full-scale exercise. The Transportation Tracking and Communications system (TRANSCOM) will be used to make the required notifications from the Transuranic Package Transporter, Model II (TRUPACT-II) transporter involved in the incident. Standard notifications and communications networks used by each of the participating organizations will be exercised.

An Incident Command structure will be established to manage the incident on-scene. The following Emergency Operations Centers will be activated: Columbia County EOC, Columbia County 9-1-1 Communications Center, WIPP CMR, and DOE ALOC. The Medical College of Georgia will receive and treat potentially radiological-contaminated patient(s).

Purpose:

The exercise is a tool to validate the capability and proficiency of public and private emergency preparedness systems to respond to a transportation accident involving a TRUPACT-II waste shipment. Particular emphasis will be focused on the integration of effort and cooperation among the many emergency response organizations participating in the exercise in Columbia County, Georgia.

Exercise “Rules of the Road”:

1. The safety and security of the personnel and facilities during the exercise shall not be degraded for the sake of this activity. All safety and surety requirements and procedures shall be complied with during the exercise. ***The Safety Officer for the exercise will:***
 - Assure that safety procedures and safe practices are observed by the assigned personnel
 - Identify unsafe or hazardous conditions that may exist or may develop
 - Take immediate action to stop or prevent unsafe acts when time or conditions do not permit going through regular lines of authority
 - Keep the IC informed of present problems and potential hazards
2. All exercise communications shall begin and end with the term: “THIS IS AN EXERCISE MESSAGE”. Also, transmissions will be “clear text” – no 10 Codes.
3. The exercise director, Pam Tucker, shall be informed of all real emergency conditions affecting the site. The exercise director will make any decisions to terminate or direct a short delay in the exercise, if necessary.
4. Evaluators: Local and State agencies will evaluate their actions and DOE will evaluate their actions.
5. No unplanned simulations will be allowed, unless approved by the exercise director.
6. Actual weather conditions at the time of the exercise will be used.

7. Time compression will be used to simulate travel time of out-of-county responders.

8. Simulations:

- a) The simulated location is on the John Deere Parkway near the City of Grovetown and Interstate 20 – next to the John Deere facility. (Due to the exigencies of the exercise location, controllers and evaluators will modify upwind entrance and exit from the scene by responders.)
- b) Contents listed on shipping papers are simulated. The TRUPACT-II containers are empty. Only radiological safety officer-approved sources (Coleman Lantern Mantles) will be used to simulate contents.
- c) Road closures will be simulated. Once officers arrive at their designated roadblock location, they will stay there, but will continue to allow traffic at a pace that will not create safety problems for the participating emergency vehicles.
- d) Moulaged will be used on accident victim(s).
- e) Fire department response will not involve charged hoses. Fire service responders will only roll out hoses if the need should arise.
- f) Extrication equipment will not be used. Only the availability of the equipment needs demonstrating.
- g) A smoke-generating machine will be used to simulate fires, if required.
- h) Emergency lights and sirens will not be used until vehicles are within $\frac{3}{4}$ miles of the accident location.

9. Type of Clothing:

- a) Players and actors will wear their usual uniforms or identifying clothing.
- b) Controllers will wear ORANGE vests.
- c) Evaluators will wear GREEN vests.
- d) There will be other non-players wearing BLUE vests. The individuals have a need to be in the exercise play area (that is, photographers, media, videographers, safety officer).
- e) Escorts and other exercise officials will wear badges.
- f) Observers should not be in the exercise play area unless escorted by a Controller.

EXERCISE CONTROLLERS	AGENCY
CHUCK RAY, CHIEF CONTROLLER	GEMA
BONNIE JUDY	ROADS & BRIDGES
RANDY HOWARD	GEMA
DAN YEARGIN	GEMA
DAWN WALKER	GEMA
MARK MOODY	DMAT
SANDRA CULVER	GOLD CROSS EMS
EXERCISE EVALUATORS	AGENCY
CHIEF DOUG COOPER & DANNY KUHLMAN	FIRE SERVICES
BILL FOSTER & JAMES JORDON	HAZ-MAT
VINCE BROGDEN	EMERGENCY MEDICAL SERVICES
RICK WHITAKER, BILL PROBUS, & BRUCE BUGG	LAW ENFORCEMENT
DAN BROWN	EOC / EOC COMMUNICATIONS
EARL WELSH	SITE COMMUNICATIONS
GEORGE WEAVER	SRS RAP TEAM
CAPTAIN CHRIS ALVERSON & DAVID DICKINSON	INCIDENT COMMAND
PHYLLIS ROLAND	HEALTH DEPARTMENT
TINA STACEY	9-1-1 CENTER

EXERCISE OBJECTIVES:

Columbia County Sheriff's Office Objectives:

1. Demonstrate a safe response, incident perimeter set-up and control of the incident scene.
2. Demonstrate key personnel integration into the Incident Command System.
3. Identify and maintain routes for local population evacuation.
4. Demonstrate effective traffic control for evacuation routes.
5. Identify and/or demonstrate support in the evacuation of specific areas designated by the Incident Command Center.
6. Demonstrate basic first-aid for injured accident victims.
7. Recognize and provide requested support to other agencies in need.

Columbia County Health Department Objectives:

1. Demonstrate the ability to activate the County Health Operation Center (CHOC) and measure staff response times.
2. Demonstrate the ability to notify and communicate with the District Health Department's Emergency Operations Center.
3. Demonstrate the ability to respond to the request for shelter nursing support in the event areas of the county that are evacuated. (This will be simulated.)
4. Demonstrate the ability to process victims for long-term follow up for radiological or chemical contamination.

Grovetown Department of Public Safety Objectives:

1. Demonstrate the ability to implement HazMat first responder procedures.
2. Demonstrate the ability to initiate an ICS for mitigation of the on-scene incident and demonstrate the ability to expand and alter the system as the incident may require.
3. Demonstrate the ability to provide notification of an incident to state and federal regulatory agencies, as appropriate.
4. Demonstrate the ability to establish lines of communication between the command post, DOE, waste generator site (the shipper), and all local and state authorities.
5. Demonstrate the ability to achieve incident mitigation that may include the treatment of any injuries, establishing zone of control, and so forth.

Columbia County EMA, LEPC & PIO Objectives:

1. Demonstrate the ability to safely conduct a full-scale exercise that will provide all agencies an excellent training opportunity and enhance emergency response capabilities.
2. Demonstrate the ability to activate public warning/information systems in a timely manner to provide critical information (evacuation, shelter in place, etc.) to affected population.
3. Demonstrate the ability to activate and staff the Primary Emergency Operations Center.
4. Demonstrate the ability to effectively communicate with all agencies, either directly or via the Command Post.
5. Demonstrate the ability to coordinate media releases from all agencies and issue from a single source.

Columbia County 9-1-1 Communications Center Objectives:

1. Demonstrate the ability to make all necessary notifications in accordance with the established response plans.
2. Demonstrate the ability to establish and maintain an efficient level of communications between the incident command post and the EOC.
3. Demonstrate the ability to follow appropriate procedures learned during training.
4. Demonstrate the ability to effectively activate the Emergency Alert System (EAS).

Medical College of Georgia Emergency Department Objectives:

1. Demonstrate the ability to find contamination on patients.
2. Demonstrate the ability to activate disaster plans.
3. Demonstrate readiness for a radiological incident.

Columbia County Hazardous Material Response Team Objectives:

1. Demonstrate the ability to implement HazMat first responder procedures.
2. Demonstrate the ability to determine responsibility for consequence assessment and cleanup of any contamination.
3. Demonstrate the ability to effectively communicate with the Command Post.
4. Demonstrate coordinated interaction with various agencies, including the fire department.
5. Demonstrate the ability to safely and effectively handle accident victims.

Georgia Department of Motor Vehicle Safety:

1. Demonstrate a safe response, incident perimeter set-up and control of the incident scene.
2. Demonstrate key personnel integration into the Incident Command System.
3. Demonstrate a successful CVSA Level 6 Inspection on the Trupact II vehicle.

Department of Energy RAP Team Objectives:

1. To observe the RAP's deployment activities.
2. To observe the RAP's ability to interface and coordinate activities with the Incident Command System during a TRUPACT-II incident.
3. To observe the RAP's ability to determine the appropriate radiological monitoring procedures for a TRUPACT-II incident.
4. To observe the RAP's ability to select the appropriate instrumentation and monitoring techniques for monitoring for alpha contamination.
5. To observe the RAP's actions taken to monitor smears for alpha taken from a wet surface as necessary.
6. To observe the RAP's ability to interpret the information contained in the shipping manifest.
7. To observe the RAP's public affairs officers ability to cope with public officials and news personnel at an accident scene.

Gold Cross EMS:

1. Demonstrate the ability to effectively operate within the ICS.
2. Demonstrate the ability to render ALS intervention and care.
3. Demonstrate the ability to respond to helicopter request in a timely and proper manner .
4. Demonstrate the ability to effectively interact with GDPS, MFD, & CCSO for helicopter landing zone set-up.
5. Demonstrate proper patient packaging prior to helicopter arrival.

Martinez Fire Department:

1. Demonstrate the ability to effectively provide mutual aid support, (personnel & equipment) as requested by the Incident Commander, and operating within the Incident Command System.
2. Demonstrate the ability to effectively communicate with all response agencies.
3. Demonstrate the ability to effectively use the WIPP radiological instrument.

SRS Weather Center:

1. Demonstrate the ability to provide timely weather forecasts and consequence assessment advice to Columbia County EMA in support of emergency operations.
2. Demonstrate the ability to support requests for assistance during DOE RAP Team deployment.

Columbia County Roads & Bridges Department:

1. Demonstrate the placement road barricades and road warning signs at the scene of the accident.
2. Demonstrate the ability to assure that the road and all easement areas are free of defects before the road is reopened.
3. Demonstrate the ability to effectively communicate with the Incident Commander
4. Demonstrate the ability to provide resources in a timely manner, including road-blocking equipment, sand or dirt for absorbing spills, heavy equipment, and personnel to check road surfaces & bridge integrity.

Georgia Department of Natural Resources / Environmental Protection Div:

1. Demonstrate the ability to provide notification of the incident from the State Operations Center (SOC) to the Augusta responder.
2. Demonstrate the ability to obtain internal technical support from the Atlanta Environmental Radiation Program.
3. Demonstrate the ability to coordinate with local, state, and federal agency
4. Demonstrate the ability to integrate into the ICS structure.

Georgia Emergency Management Agency:

1. Demonstrate the ability to effectively notify all affected state agencies.
2. Demonstrate the ability to effectively monitor the situation and update agencies.

Georgia State Patrol:

1. Demonstrate a safe response, incident perimeter set-up and control of the incident scene.
2. Demonstrate key personnel integration into the Incident Command System.
3. Demonstrate support in the evacuation of specific areas designated by the Incident Command Center.
4. Recognize and provide requested support to other agencies in need.

Georgia Department of Transportation:

1. Demonstrate the placement road barricades and road warning signs at the scene of the accident.
2. Demonstrate the ability to assure that the road and all easement areas are free of defects before the road is reopened.
3. Demonstrate the ability to effectively communicate with the Incident Commander
4. Demonstrate the ability to provide resources in a timely manner, including road-blocking equipment, sand or dirt for absorbing spills, heavy equipment, and personnel to check road surfaces & bridge integrity.

NARRATIVE:

On October 24th at 8:00 a.m., GEMA officials notify Columbia County EMA by pager that a WIPP shipment would be leaving SRS at 8:00 a.m. for a routine transport to the DOE facility in Carlsbad, New Mexico. EMA disseminates the information to Columbia County 9-1-1 Center, Grovetown Department of Public Safety Dispatch, Martinez Fire Department Dispatch, Harlem Dispatch, and Gold Cross EMS.

At 9:00 a.m., the TRUPACT-II transport vehicle is traveling west on Interstate 20 with the driver and a co-driver, who is in a “sleeper”. A multiple vehicle accident near the I-20 construction area has just occurred and is expected to take several hours to clear.

In order to avoid the congestion, the Columbia County 9-1-1 dispatches a unit to reroute the TRUPACT-II to the Belair Road Exit, to Wrightsboro Road, to John Deere Parkway, to Horizon South Parkway, and back to I-20. The deputy gives directions the driver and returns to assist with the accident on I-20.

As the TRUPACT-II transport vehicle approaches John Deere Parkway, it is violently rammed by a van, which swerved into the TRUPACT-II while trying to avoid a deer. The collision causes a ruptured fuel tank in the van, and a large fuel leak is occurring. The WIPP driver immediately calls DOE authorities and Columbia County 9-1-1 to report the accident.

The van is transporting unknown chemicals used in making illegal drugs. The chemicals are in sealed containers with no identifying markings. The van has a driver and two passengers on board.

Injuries involve one of the van passengers, who is ejected from the van upon impact and sustains severe head injuries, cuts, broken bones, and is unconscious. The second passenger has minor injuries, including some bruises and abrasions, but does not require transport. The van driver sustains moderate injuries, including a broken leg, cuts to the head, and body abrasions.

The TRUPACT-II transport vehicle co-driver in the sleeper sustains minor head injuries, cuts and abrasions. The TRUPACT-II driver has no injuries. Neither requires transport.

The second van passenger urges help for the other victims in the van, but whenever law enforcement officials approach, the person starts to drag the victim away from the vehicle to keep the officer from getting too close. The second van passenger begins behaving in a very disruptive manner, in an attempt to prohibit their entering the van.

EXPECTED ACTIONS:

9:00 am The TRUPACT II Driver dials 9-1-1 and advises the dispatcher that the accident has occurred, and also notifies the WIPP CMR.

9-1-1 obtains as much information as possible and dispatches fire, HazMat, law enforcement, and EMS units to the scene; EMA deputy director is notified by pager. (The EMA director is out of town and deputy director is on call).

9:05 am The first unit to arrive at the scene secures the site requests assistance from 9-1-1 for the following:

- Establishes roadblocks
- Isolate the area and deny entry
- Control sources of possible of ignition

And makes an initial assessment of the hazard:

- People at or leaving the scene
- Container shape and size
- Container markings and color
- Odor, smoke, vapor, sound, spillage
- Shipping papers and Material Safety Data Sheet (MSDS)
- Placards and labels

The first responder establishes contact with the TRUPACT-II transport driver and is informed of the strong vapor around the accident scene.

The TRUPACT-II transport drivers make notification to WIPP CMR of the status of the TRUPACT-II transport vehicle and involvement of a hazardous material.

9:10 am The first responder assesses injuries and calls 9-1-1 to verify that there are injuries and assures that ambulances and additional backup, including mutual aid support is en route. He/she transmits the situation report:

- Location
- Victim information
- Material identification (name/placard/label)
- Material amount, state, appearance, and behavior
- Containers type and size
- Wind and exposures

WIPP CMR begins notifications:

- State and local authorities
- Carrier
- SRS Operations Center

9:10 am The EMA deputy director notifies the EMA staff of the incident and they begin:

- Activate the Emergency Operations Center
- Determination of initial isolation distance from Incident Command
- Alert residents within a one-mile radius to shelter-In-place as a precaution by activating the MESSAGE911 Notification System and NOAA Alert Radio
- Requests activation of the EAS by 9-1-1 Dispatchers
- Monitoring communications & maintaining event log
- Notification of local elected officials
- Notification of Roads & Bridges for assistance
- Notification of County Health Officials
- Notification of Local Hospitals
- Notification of GEMA & Confirm that GEMA will notify the state agencies - (DMVS, DOT, GSP, DNR-EPD, SRS Rap Team)
- Communicate with SRS Weather Center and relay weather conditions to IC

9:10 am Arrival of backup support begins: (Time compression will be used for the arrival time of many of the these agencies/departments).

During the next hour, various agencies begin to arrive. Emergency vehicles are staged at a safe location and supervisors of the following agencies/departments report to the Incident Command Post for updates and proceed with the following functions. (Many of these actions are simultaneous).

- **Columbia County 9-1-1 Communications Center** activates the EAS with information provided by EMA and establishes and maintains an efficient level of communications between the Command Post and EOC until the all clear is given.
- **Georgia Emergency Management Agency** notifies EPD, DOT, Department of Motor Vehicle Safety, GSP, and WIPP Corridor Counties. GEMA continues to monitor the incident and keep state agencies informed.
- **Columbia County Sheriff's Office** begins perimeter and site control and assists with first aid for victims and senior officer reports to Incident Command.
- **Gold Cross EMS** begins assessment of injured persons and calls for additional transport units. Conducts triage and prepares for decontamination and transport by air and ground.
- **Grovetown Department of Public Safety and the Martinez Fire Department** implements HazMat first responder procedures to dike and dam leaking fuel, as well as utilization of the WIPP radiological instrument for the detection of any leaking material. Also assist EMS with rescue of victims.
- **The HazMat Team** implements HazMat first responder procedures, including utilization of proper PPE needed to rescue victims and decontamination of victims and affected responders.

- **Department of Motor Vehicle Safety** assists law enforcement officials with setting up safe perimeter and control of the scene. Prepares for Level 6 inspection.
- **DOE RAP Team** checks the shipping manifest, utilizes the appropriate radiological monitoring instruments and procedures for a TRUPACT-II incident, and begins monitoring of smears for alpha. RAP's PAO copes with public officials and news personnel at the scene.
- **Columbia County Roads and Bridges** gets instructions from the Incident Commander regarding the need for barricades and sand at the scene, as well as a complete check of the roadway's ability to withstand heavy equipment.
- **Georgia DNR-EPD** notifies the Augusta District EPD office to report to Incident Command. Tech support is requested from environmental radiation program staff in Atlanta.
- **Georgia State Patrol** reports to the Command Post and assists CCSO and GDPS with perimeter control and other needs at the scene.
- **Georgia Department of Transportation** reports to the Command Post and assists the Roads and Bridges Department with placement of barricades and checking roadways to assure no defects exist. Standby to assist with resource needs, such as sand or heavy equipment.

Other agencies, not at the scene, proceed with the following functions:

- **Columbia County Health Department** activates the County Health Operations Center (CHOC), notifies the District Health EOC, requests shelter nursing support, and begin preparations for possible long-term follow up for radiological or chemical contamination.
- **SRS Weather Center** provides the EOC and RAP Team with updated weather conditions and consequence assessments.
- **Medical College of Georgia** activates hospital disaster plans to prepare the ER and Heliport to receive possibly radiation accident victims, as well as trauma injuries.

The exercise will continue through the "Recovery Phase", including cleaning up the spill, using a crane to lift the container back onto the truck, and a "CVSA Level 6 Inspection" conducted by the Georgia Department of Motor Vehicles.

The exercise will end when the Incident Commander issues the all clear.

Pre-Planning Issues/Responsibilities

ISSUE	PERSON RESPONSIBLE FOR COORDINATION	STATUS
Request TRUPACT II Vehicles, Drivers, shipping papers, & containers	Ron Macaluso	Confirmed
Determine exercise time frame – 9am until 2pm / Recovery function will take at least one hour	Planning Team	Confirmed
Designate Exercise Director – Pam Tucker will assume this function	Planning Team	Confirmed
Need email addresses for all participating agencies/departments	Planning Team	Completed
Obtained approval from Matt Hurley to use John Deere Parkway for exercise	Pam Tucker	Confirmed
Coordinate with news media to participate as in actual event, not just coverage; media photographers will be allowed to function as non-players and will be allowed to enter into the training area for public education purposes.	Pam Tucker	Completed (Sent on 10/07/02 & 10/21/02)
Designate PIO	Pam Tucker	Confirmed (Steve Morris)
<u>Recruit Victims:</u>	Pam Tucker	Confirmed
Two TRUPACT II Drivers – (Regular staff) Margaret Doss – Van Passenger #1 Miran Tyrrell – Van Driver John Bentley - Van Passenger # 2		Victims will report to exercise site at 7:30 a.m. for moulage; (Need to wear disposable clothing with swim suit underneath)
EAS Activation training for 9-1-1 Dispatchers	Pam Tucker, Rusty Welsh, Lt. Tina Stacey	Completed on 09/24/02
Assign Safety Officers & Person to keep EOC Communications Log	Chief Doug Cooper & Pam Tucker	Confirmed (Chief James Champion, Sr. & Darlene Bartlett – Safety Officers) (Capt. Robert Rosier – Communications Log)
Mantle for radiation simulation	Ron Macaluso	Confirmed
Tent, 2 rolls yellow caution tape, 14 orange cones, & duct tape – Refreshments & Garbage Bags	David Lawler, Hepaco	Confirmed
	(13)	

Moulage Supplies	Pam Tucker	Supplies have been delivered to Sandra
Moulage Application	Sandra Culver	Confirmed (Moulage will begin at 7:30)
Coordinate with a local crane company to participate	Pam Tucker	Confirmed Lawton Wylds (210-0796) Maxim Crane Will visit site on 10/10/02 (Crane will arrive at exercise site at 7:30 a.m. to place container in position)
Coordinate providing lunch	Pam Tucker	Confirmed The GA Baptist Disaster Relief – Unit 2F will participate in exercise for mass feeding, including paper products.
Coordinate a wrecked van or other box type vehicle and towing service	Pam Tucker	Confirmed Bert Harrison (cell # 339-2020) at Reeves Towing will bring wrecked vehicle to exercise site at 7:30 a.m.
Arrange for simulation of chemicals in Van	Pam Tucker	Confirmed (Hepaco will handle simulation)
Need color coded vests for: Controllers – Orange Vests Evaluators – Green Vests Non-players – Blue (photographers, media, videographers, safety officer, etc.)	Ron Macaluso	Confirmed
Portable Toilets	Pam Tucker	Confirmed (Williams Sewer Service will deliver 2 portable toilets on the evening of 10/23 and will pick up following the exercise.)
Invitations to South Carolina authorities	Pam Tucker	Completed – 09/25/02 Pam sent invitations for IC course and exercise to: Sandra Threatt – SC DHEC Bob Duggleby – SC EMD David Ruth – Aiken County EMA Rick Powell – Aiken County ES
Spectator bleachers, rope and stakes	Pam Tucker	Confirmed Recreation Department will provide; Charlie Beale will attend site visit on 10/10/02 at 1pm
(14)		

Coordinate photography / digital & video	GEMA	Confirmed (Simon Keymer- Strategy.gov / GEMA Consultants)
Set date for on-site visit	Pam Tucker	Completed on 10/10/02
Get survey flags & black spray paint to mark locations at scene	Pam Tucker	Survey Flags are at EMA
List Names Evaluators & Controllers	Pam Tucker	Completed (See list in scenario package on page 5)
Coolers of Ice	Pam Tucker	Confirmed (Rusty will deliver at 7:30 a.m.)
Ant Killer	Pam Tucker	Confirmed (Maintenance Department will have area sprayed a couple of days prior to exercise)
Who will GEMA notify?	Pam Tucker	Sent list of State agencies that GEMA should notify for Exercise to Dan Brown on 09/25/02
NOAA Radio Activation – Columbia Weather	Pam Tucker	Confirmed
2 Signs stating “TRAINING EXERCISE IN PROGRESS – Please drive slowly	Construction & Maintenance	Confirmed
Narrator for Spectators at Observation Area	Honey Shore	Confirmed
Sound System for Narrator	James Champion	Confirmed
Notify surrounding businesses of road closing	Pam Tucker	Completed (Letter sent on 10/11/02 to officials at: Trexco, Sertta, and Titan
Mow grass in observation and tent areas a week before exercise	Tim Holloway	Confirmed
Need an 8 foot step ladder	Pam Tucker	Confirmed Tony will deliver ladder to EMA on 10/22/02 & Rusty will bring to site on 10/24/02
Simulation for fuel spill	Pam Tucker	Confirmed Water & Food Coloring will be used; Rusty will deliver to site on 10/24/02
	(15)	

Columbia County, Georgia

WIPP Transportation

Full-Scale Exercise

October 24, 2002
9:00 a.m. until 2:00 p.m.

Evaluation



Thursday, October 31, 2002
Waste Isolation Pilot Plant
WIPP Transportation Full-Scale Exercise
Evaluation

1. *Demonstrate the ability to safely conduct a full-scale exercise that will provide all agencies an excellent training opportunity and enhance emergency response capabilities.*

We must set a protocol for using operational vehicles for training draining all fluids and stabilizing the crankshaft.

At 09:30 hours EMA had a wind direction from SRS Weather center. IC did not receive the wind direction from the Primary EOC until 09:52. This poses a safety hazard to responding units. To the best of my knowledge the wind direction was not relayed to Air Med and other responders that may arrive on the scene later during the incident. Specifically, Air Med arrived on scene at 09:40; IC did not receive wind direction from EMA until 09:52.

For the most part, from what I could observe, the exercise was conducted in a safe manner.

2. *Demonstrate the ability to activate public warning/information systems in a timely manner to provide critical information (evacuation, shelter in place, etc.) to affected population.*

Please keep in mind this is only possible if EMA is appropriately notified in a timely manner.

This training exercise was pre-planned a little too much in my opinion. I know it is my job to create a message to release to the public via the following warning devices. It would have taken me some time to create such a message, fax it to 9-1-1 for EAS activation, fax it to NOAA for weather alert radio activation and record it into the Message 9-1-1. Then, confirm that 9-1-1 and NOAA received the message and provide confirmation for activation of each. I believe I may need additional training in this area. Also, if sufficient staffing were available, I could designate staff members to handle each one of these duties.

NOAA

Notified by Rusty at 09:26 via fax and confirmation. The weather radio alert was activated at 09:28. 2-minute response time from NOAA.

EAS

WBBQ received the weather alert activation at 09:28 and repeated the weather alert activation at 09:32 via an EAS broadcast. 6-minute response time from original activation of EMA and a 4-minute response from WBBQ for repeating the weather alert activation.

WEKL received the weather alert activation from both NOAA (09:28) and WBBQ (09:33) and repeated it at 09:34. 6-minute response time from original activation of NOAA from EMA and 4-minute response from WEKL using the first notification from NOAA.

911 was notified by Rusty at 09:28 to activate the EAS. WBBQ received the EAS activation at 09:38. 911's response time was 10 minutes. WBBQ then repeated the 911 EAS activation at 09:48. WEKL repeated the 911 EAS activation at 09:52. 20-minute response time from notification of 911 to WBBQ's broadcast and a 22-minute response through WEKL.

The EAS is repeating appropriately. We may need to evaluate the response times for each of the stations a little closer to ensure repeating a Civil Emergency will be conducted in a timely manner.

911 is the 24-hour warning point for Columbia County. As with many areas in the county, sufficient staffing is paramount. Without sufficient staffing in our county's 911 center, EAS will not be able to be activated in a timely manner. This was demonstrated by the Sheriff's Office's Lieutenant of 911 having to activate the EAS because of a staffing issue. The lieutenant is not at the center 24-hours a day. EAS activation in a timely manner is essential for saving persons lives within Columbia County. My question is what would happen at 03:30 on a Sunday morning (Saturday night) when the center's staff is already beyond their capabilities conducting Sheriff's Office business and EAS must be activated and there is no one there capable of activating the EAS in a timely manner?

MESSAGE 9-1-1

Activated by Suzie at 09:20. This scenario was already created within message 9-1-1 with the appropriate, affected area already identified and voice message inserted. It would have taken me some time to determine the isolation distance and map the affected area in message 9-1-1. This is provided I receive the appropriate information from the IC, which I did not in this exercise. It would have taken me additional time, probably longer than it should, for me to draft the message. This is something I feel I need to work on.

NEWS MEDIA

If a news release were to be created we could fax the news release to the news group on the EMA fax machine and could eliminate some of the inappropriate terminology and speculation by the media, which can occur and has in the past.

3. *Demonstrate the ability to activate and staff the Primary Emergency Operations Center.*

Again, staffing is a concern. The Columbia County Health Department was the only department that had a representative from their department respond to the Primary Emergency Operations Center. No other agency or department staffed the EOC other than the Emergency Management Agency. It is obvious we can not get everyone on the same radio channel to handle a specific incident even though MARC has been implemented for this purpose, so we should at least have a representative from each agency/department that can make decisions staff the EOC. This is for intelligence purposes. Having all involved in one room would help eliminate duplicated resources being called upon. Thus saving time and making the staff more valuable by allowing them to be more productive.

Although, staffing is a major issue, hardware is an issue for the Primary EOC. If we plan to have a representative from each agency involved staff the EOC, then they must have the appropriate equipment and tools they need to complete their jobs efficiently. These tools could include but are not limited to computers, telephones, televisions, copiers, fax machines and radios. All of which must be configured to the users needs. Roads and bridges may need access to the AS/400 for access to their files and other applications via AS/400. Additionally, they may need access to their personal groupWise email. A telephone that may be 2-lines so the office phone number may be forwarded if necessary or so they may have conferencing ability.

(The new telephones could be configured quickly to suit the needs of a specific emergency, which the EOC is not equipped with, to the best of my knowledge, nor do we have a person trained in configuring the phones in the time of emergency) They need a radio that is on their frequency and is equipped with capabilities they are used to (talk-around, encryption). These are just a few items I can think of. It should be the responsibility of each agency that is going to have a representative staff the EMA EOC, provide to us a list of needs for their specific department. The attached list forms a few examples of what would be beneficial to the Primary EOC as far as hardware issues are concerned and are not necessarily considered specific to this exercise.

Multiple phones are necessary for an effective Primary EOC. Multiple computers with access to all of the same programs are a necessity. One should be able to access EMWIN from any computer in the designated EOC. Every single item that is used should be within arms reach of everything else.

Staffing the Primary EOC with EMA staff is also a concern. We should have a list of persons who can staff the Primary EOC at any time. I feel more staff is needed than that of the 4 staff members we currently employ at the time of emergency. Who can we call? What is their contact information? Exactly how many persons do we need? Is it in their job description they are available for call out to staff the Primary EOC at anytime?

On a logistics level, every item that is supposed to be used in an emergency should be accessible and ready for deployment at any specific time. This was not shown with the blankets that are in our warehouse. Maybe we should designate a specific area near the doors for the Emergency Management Deployment Materials and train on deployment of specific items.

4. *Demonstrate the ability to effectively communicate with all agencies, either directly or via the Command Post.*

There are two objectives here, one is a command post and the other is communications.

As with the EOC, the command post should be staffed with personnel from all agencies/departments involved. This creates better intelligence among everyone involved and eliminates duplication as explained above. Additionally, the command post should have the necessary tools each agency/department may need on site very similar to the EOC.

First communications must be understood as more than talking on a radio or a telephone. Communications is being able to effectively express one's ideas to another and must make sure all bases are covered and eliminate the possibility for assumption or confusion. This can only be improved by giving everyone involved the appropriate tools to work with and training exercises like this to validate your resources/tools. Also, there is a difference between miscommunications and no communications. Miscommunication shows that communication has been attempted. This is better than no communications where there is no apparent initiative. Although our hardware could be improved with common sense and preventative maintenance, I feel our communications problems are not severely based on hardware, it is based on the lack of training/knowledge, initiative and organization of our already existing hardware.

There appears to be an issue as to who (what agency) is responsible for notifying who. I called DOT (Appling office) and they told me no one had notified them. Also, is duplication of notification of needed resources/agencies a necessity? If the Incident Command System is established correctly, it wouldn't be necessary to double-check the notification of such resources/agencies because of the intelligence in the command post and/or the Primary EOC if activated in a timely manner or both.

The SRS DOE RAP Team was not notified of the incident. I did not notify the DOE RAP Team because I was not advised they were needed. When I was advised they were not notified, I contacted GMEA via NAWAS and asked if they would contact them for me. If it is going to be the responsibility of the CCEMA to notify the RAP Team, then it needs to be determined. Also, if it is the EMA's responsibility then the number must be published for all EMA's or all EMA's must be required to have NAWAS which is not what I think is necessarily appropriate. What I do not understand is why they were not notified automatically by GEMA or the WIPP CMR when a report of an accident involving a WIPP shipment was received.

5. *Demonstrate the ability to coordinate media releases from all agencies and issue from a single source.*

I did not observe and am unable to comment on this objective. In short, I see a tremendous issue with specified training and staffing. I see individual agencies duplicating personnel that is not needed as well as services and equipment. This type of operation could work more efficiently if all of the staff we currently employee knew the responsibilities, needs and resources other departments have.

We are providing ourselves with unnecessary chaos by having individual communications/dispatch centers that could be combined.

Solutions:

Unified Communications Center

Eliminates duplication of staff, services and equipment

Makes staff more productive

Web EOC

More individual agency/department interaction with one another

Help everyone learn the responsibilities, resources and needs of other departments

Main Focuses:

More Specific Training, Staffing, Hardware organization and upgrades

Give employees the tools they need to do their job:

Software or hardware to do the job necessary in an emergency situation should not limit the primary EOC operators. Control over the operators should be in a disciplinary manner in each division not by handicapping the hardware.

List of Hardware issues for the Primary EOC.

All of which should be set up and ready to go at any time an emergency occurs. This means a location sitting and waiting for staffing.

Unlimited Internet access in all locations in the EOC.

A SouthernLinc radio capable of cross fleetting mounted up with appropriate accessories.

A dedicated fax machine for the EOC.

Several telephone lines for use with notebook computers. Not LAN lines.

We need more telephones. LAN is acceptable as long as phones are configured appropriately.

NAWAS should be moved to the communications console for easy access.

Most all software and programs should be accessible from all of the EOC's computers.

Plot n Plume, Towers, EMWIN, AS/400, GroupWise, Perspective hard drive for individual agencies/department, any type of multimedia necessary (CD burner, data retrieval for digital and video cameras),

Separate radios to monitor all agencies/departments in the county and a few to configure to the incidents needs at the time of the incident.

911 dedicated loop should be moved to the communications console for easy access.

Columbia County, Georgia

WIPP Transportation

Full-Scale Exercise

October 24, 2002
9:00 a.m. until 2:00 p.m.

TIMELINE



WIPPTREX Time Line

Waste Isolation Pilot Plant

WIPP Transportation Full-Scale Exercise
Scenario Package
WIPPTREX Time Line

08:02 Received page from GEMA regarding WIPP Shipment preparing to leave SRS

08:04 9-1-1 CCSO notified

08:05 MFD Dispatch notified – Mitchell

08:06 Harlem Dispatch notified

08:06 GDPS notified – Laura

08:06 MFD, GDPS, HPD, 911 and GoldCross notified by EMA via telephone of WIPP shipment

08:07 GDPS notifies all units via radio of WIPP shipment

08:10 Gold Cross notified – Wendy

08:17 EMA EOC notified all units via SouthernLinc on EMA Talk Group 1 to switch over to the Training Talk Group and advise EMA EOC. (No Response)

09:11 CCSO, Gold Cross, GDPS notified by 911

09:12 GDPS dispatched call

09:13 GDPS on scene establishing command

09:13 EMA notified by pager from 911

09:14 CCSO on scene, advised multiple injuries

09:14 GDPS Engine 5 on scene

09:15 Air Med on standby (Who put them on standby)

09:15 GoldCross 502 on scene

09:15 Med 3 on scene

09:16 CCSO advised smoke in the area

09:17 CCSO car 11 on scene

09:18 Horizon South Parkway blocked by CCSO

09:18 Triage done by GoldCross

09:19 MFD dispatched for mutual aid

09:19 LZ located for Air Med 1

09:20 Message911 activated.

09:24 Air Med Requested

09:24 EMA EOC Activated

09:25 Low Level Radiation Reported

09:25 MFD Engine 4 on scene and at staging

09:26 NOAA notified

09:27 Haz-Mat on scene

09:28 NOAA Alert Activated

09:30 SRS Weather Center Notified and Emailing Plot and Plume to EMA EOC

09:31 EMA EOC confirmation with 911 to Activate EAS

09:31 EMA EOC attempted to notify command of North Easterly Winds / no contact

09:32 MCG Notified by GoldCross

09:35 GEMA notified via NAWAS by EMA EOC

09:37 WBBQ EAS message – “activation of the NOAA Alert Radio”

09:40 Placard Identified by CCSO car 11

09:40 Air Med on scene

09:41 Local Elected Officials notified

09:45 CCSO Car 11 given guide info

09:45 CCSO Car 11 give un# un218

09:46 NO DRILL real patient Med 1 dispatched

09:46 Health Department Notified

09:48 Med 3 en route to MCG

09:48 GDPS called EMA to activate EOC

09:50 EPD requesting scene phone number

09:51 EMA EOC unable to contact command for phone number via radio

09:51 NO DRILL unresponsive patient

09:52 Command notified of north easterly winds

09:54 NO DRILL Med 1 transport patient to Doctors

09:55 EMA EOC Request on scene phone number again for EPD

09:55 Command provided 799-3469 for EPD

09:56 EPD given number

09:58 GEMA notified to contact SRS DOE RAP Team and have them respond by EMA EOC via NAWAS

10:02 First Patient Arrived at MCG

10:02 First patient arrived at MCG by Air Med 1; receiving treatment as part of the exercise.

10:03 Plot and Plume Received at EMA EOC

10:03 Pam notified.

10:06 SRS DOE RAP Team notified and en route

10:10 GoldCross advised no further patients

10:12 GEMA sent out group page advising "2nd notification *This is a Drill* WIPP shipment accident in Columbia County, intersection of John Deere Pkwy at Wrightsboro Road. No known breach or release. Updates to follow. Please confirm receipt with GEMA Communications *This is a Drill* GEMA/Jeff.

10:14 Med 3 arrived at MCG

10:15. RW confirmed receipt of page w/GEMA.

10:15 EMA EOC checked with DOT (Appling) and they had not been notified

10:17 Pam notified.

10:19 SRS DOE RAP Team ETA 15 minutes per GEMA via NAWAS

10:30 CCSO Car 803 on scene

10:32 CCSO request GDPS assist with traffic control

10:38 Med 1 sent back to exercise area

10:47 Med 1 back out at exercise area

11:05 Med 6 clear of the scene

11:28 Recovery phase of TRUPACT II started.

11:28 EMA EOC deactivated.

11:55 GEMA notified via NAWAS; Level 6 inspection in progress; IC given all clear. Columbia County EOC is deactivated.

12:04 WIPP Coordinator advises shipment is back on truck; conducting evaluation. Will advise when complete.

12:04 GEMA sent out group page advising "**This is a Drill* WIPP Shipment accident update – Columbia County Level 6 Inspection in progress. Incident command has given all clear and Columbia County has deactivated its EOC. *This is a Drill* GEMA/Jeff